



cross talk



WAC
WAS
DXCC
FD'71
FD'73

THORNLEY E

R6 2591

ATEUR RADIO CLUB

Employee Association

TRW/ARC Saturday Morning Nets 10AM LT

Primary	7.280 MHz
Secondary	3.980 MHz
Novice	7.140 MHz
Simplex*	147.510 MHz

*Any.....time!!!!

TRW/ARC's SwapMeet Acclaimed a Success!!

The first TRW/ARC sponsored SwapMeet was held on May 10th, on the North side of Bldg S -- Cafeteria area. Spearheading the entire operation was Jim McWilliams, W6RTG, who was responsible for the initial planning of the event, as well as being manager of the very successful Saturday operation.

The SwapMeet was well attended by other amateurs in the Los Angeles, thanks to all of the advertising on posters and the local repeaters. A small flea market was also provided in the parking lot for those with many items of equipment, etc., for sale.

Jim, W6RTG, also wishes to thank especially Bill Ivey, WA6QET, Neil Hudson, WA6VCZ, Mas Fujimoto (and son), W6CZL, and Bill Dews, K6AWO, who were very early SAM arrivals who helped set up the parking and auction areas. Sue Kennedy, WN6TXV, also an early morning arrival, who brewed the coffee for the working troops.

Paul Weiss, K6YQ, did the honors as auctioneer, ably assisted by Ollie Sanders, W6OIC, Frank Cartier, WA6RAY, and YF, Lou, and Bill, WA6QET. The auction included the disposal of TRW/ARC's surplus equipment from the shack, which turned surplus electronic gear into club treasury dollars.

Summing it up, Jim, W6RTG, says "thanks to all the other helpers not already mentioned, and to all of the amateur radio ops and other friends of TRW/ARC for making our first SwapMeet so successful".

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*** Coming Events Calendar ***

Field Day 1974 - June 28th & 29th, please turn in your pre-registration form if you haven't already (see last issue of CrossTalk).

For further info, contact K6YQ or K6AWO.

MAY MEETING FEATURES LATEST IN HAM GEAR

Richard Hoffman, WA6TCH, will be the featured speaker at TRW/ARC's May meeting, to be held at noon, on Wednesday, May 28th.

Mr. Hoffman, who is currently with Henry Radio will discuss and demonstrate some of the latest ham equipment presently available for use in both the low and high amateur radio bands.

Dick, WA6TCH, has been a licensed radio amateur since 1961, and presently holds an Extra Class ticket. Dick has an interesting educational background, which includes a BA degree in English from Trinity College; he subsequently received from NYU a Masters degree in Education.

Dick indicates that his prime vocation is that of acting (he classifies himself as an unemployed actor), however he is full-time sales representative of Henry Radio, and also the unofficial PR man for Henry.

Dick, his wife and daughter live in Los Angeles. Interestingly enough, his wife is an actress, and has appeared in such TV shows as "Sunshine", as well as TV commercials.

Plan on attending our next club meeting, meet Dick, WA6TCH, and get acquainted with the latest in ham communications technology!!

Come early.....lately it has just about been standing room only!

*** MEETING REMINDER *** R2-1055

Always the last Wednesday at noon

Subject: CURRENT HAM GEAR AVAILABLE

Speaker: RICHARD HOFFMAN, WA6TCH

The Editor's Page

de W6RLN

TRW/ARC Breakfasts - The 2 Meter Bunch. Bill Dews, K6AWO, has done it again!! They call it "esprit de corps", and as a result, Bill single handedly got many of the 2 Meter crowd (if you have been on 147.51 lately, you'll agree with me) to crawl out of their sacks early on May 2nd, and also May 9th, for breakfast with the group at Denny's and our local cafeteria.

Those present for the early morning eyeball QSO's were: K6AWO, W6CZL, W6EKK, K6GZF, WB6IDJ, W6IZK, WA6JPR, WA6RAY, W6RLN, W6RTG, WA6SKM. Bill hopes that the Friday Morning Breakfast may become a monthly habit.

Welcome to 2 Meter Land....K6YQ. Another low bander has bit the bullet. Paul, K6YQ, Field Day Commander and a past-pres is now the proud owner of a TR22C. Paul is still waiting for .51/.51 crystals, and still trying to get "netted" on some repeaters, but he is operating both fixed base (from the kitchen table and mobile these days).

Also a hearty welcome to TRW/ARC and also 2 meter land goes out to WA6JIZ, John, and also to....would you believe, Gary, WB6RLN. Lets face it, the law of probabilities says it would happen sooner or later, and it has. Your editor is just grateful that the "other" RLN's handle isn't "Frank", there are already enough of them around to add to the fun (confusion) on .51!! Gary, it turns out, works in the same area as K6AWO, and we might add that it has certainly been our pleasure to work "RLN" on Two meters.

John, WA6JIZ, is the proud owner of a new EBC144JR, with his fixed base operations located in Huntington Beach.

Club 2 Meter Net activities are still going very strong. In fact, as on the low bands, the courtesy of asking "is this frequency in use" may soon become SOP since once in awhile QSO's are in progress with very distant (200 miles) stations.

The Power Struggle. Sooner or later it was bound to happen. And IZK is the ring leader of the project to upgrade all TRW/ARC mobiles to 50 watts of RF power. Wayne advises that the 2nd design of an amplifier has proved very encouraging, and that thru a group activity he hopes that those members so interested will be able to participate in a "do it ourselves" project that will produce a useful 2 Meter mobile amplifier at bargain basement prices.

Two Meter Grunge. Now that split-splits are here to stay (for those not familiar with the history of 2M channelization, the original channels were 60KHZ, then reduced to 30KHZ, and now being split again to 15KHZ). Those of us who wonder what all the grunge is on .51 may be interested to know that just 15KHz up is WR6AFJ (ref: W6MMM) and 15KHz down is a small group of ops communicating between Westchester (PlayaDelRay) and Lomita. The Lomita station is running 100 watts from an FMH/Footwarmer, his call is WA6IJK, handle is Bob. The Westchester station is WA6GIU. Guess the message is, it is time to start thinking in terms of narrower frontends on receivers.

Party Line. Heard on the party line (.51) recently is that K6AWO's new IC22A has just recently "bellied-up"...and the present quandry is whether or not to ship it back to ICOM, Bellingham. IZK tells us that there is a limit to the amount of power amplification wanted for a mobile operation, otherwise you have an "alligator" on your hands....that's a rig that's all mouth and no ears!! (the inverse of the preceeding is a "rabbit", a rig that is all ears and no mouth!!).

Those IC230 Pilot Lamps. W6YCZ advises us that in spite of having several bulbs burn out again in his rig, he will not attempt any replacement!!! So his rig is now tuned by guess, by golly!!

CrossBandng. It is rumored that W6RLN and WN6HEU are now operating crossband, thanks to the loan of a converted Olson weather receiver. WA6PAS uses a similar technique!!

2 METER FM RECEPTION FOR \$7.95, PLUS TAX

de W6RLN

Here is the poor ham's answer to an inexpensive 2 Meter FM monitor receiver that will cover 2 MHz of the band with ease, and provide a "shirt pocket" monitoring capability with reasonable sensitivity and selectivity. This little jewel is great for monitoring all the local repeaters, and any nearby simplexers. (Is it any wonder that all the Radio Shacks in the entire LA Area are stocked out??!!)

The writer has converted two of the 162 MHz WeatherRadios so far easily down to 146-148. One convenient use of some practicality for the little receivers is as a paging unit. Being careful not to violate the regs on one sided communications, I use it as a convenient means of making my presence known when picking up my daughter from the UCLA campus dorm. This little receiver obviously has possibilities as a receiver section of a handitalkie (the writer has a VHF Engineering Xmtr on order).



RADIO SHACK'S 2M SPECIAL

Conversion of the 9 Transistor 7 diode receiver is no problem, and a quick glance at the schematic diagram sold with the unit is rather impressive. A varicap circuit is used (no variable capacitor!) to shift the local oscillator, which operates down 10.7 MHz from the received signal, followed by a three stage IF section, a phase detector, with plenty of audio from the push-pull finals.

The basic mod is as follows: 1.) Locate the oscillator coil (4 turns) silver centered at the top of the board and strap it with a 5 - 15 pf mini-capacitor (or replace the 20 pf cap adjacent to this coil with a 30 pf. 2.) Some squeezing or spreading of the oscillator coil may then be necessary to hit the band if you are not already receiving repeaters. 3.) Next locate the RF Amplifier coil (4 turns) and the Antenna Coil (4 turns) and immediately adjacent to the whip antenna; squeeze the RF Amp coil peaking a received signal.

For improved performance Mac, W6YCZ, recommends the following also be done: 4.) Desolder the yellow antenna wire from the circuit board, put three 1/8 inch turns in this yellow wire (electrically, the 18" whip is too short) and tap and solder the antenna wire to the antenna coil one turn up from ground (2nd turn in from the adjacent whip). 5.) Then peak the IF coils for max signal, peaking the phase detector for max audio and min noise.

About the cost of the receiver...They were on sale from a regular \$16.95 price, for the late comers, you may have to hunt to get a buy, or locate a buddy that bought two or more when they were on sale. Failing that, Olson and Lafayette also market a desk cube version of the receiver, and for office desk operations they provide a much more pleasing tone with plenty of audio punch. (Reference: 73 Magazine, April 1975, \$50 HT) However, performance-wise, we feel Radio Shack's is tops!!

For Sale (prior owner deceased): o Single Side Band Gear as follows:

Price: \$450.00

Contact: Marianne Kingston
53-61911

- 2 - Johnson Messingers Mod 350
- 1 - slider scanner #2
- 1 - VFO by Siltronix
- 1 - Palamar B1 Linear, Model 150 (car)
- 1 - Palamar B1 Linear, Model 200 (home base)